

## SEARCH HISTORY

<b>Application Number</b>	PCT/TH 17/00002
<b>Search Conducted By</b>	NH
<b>Search Approved By</b>	SCL

<b>CPC/IPC Classifications Searched</b>	IPC(8): F28D 5/02 (2017.01) CPC: F28D 5/02
<b>Date Conducted</b>	19 September 2017 (19.09.2017)

<b>Documentation Searched</b>	CPC: F25B 2339/041, F28D 3/02, F25B 39/04, F24F 5/0035, F25B 49/027, F24F 2013/225, F24F 5/0035, F24F 1/42, Y02B 30/545 USPC: 62/171, 239/280, 62/171, 62/305, 62/238.6, 62/506, 62/310
<b>Search Terms Used</b>	air, conditioning, radiator, condenser, mist, spray, coil, water, coolant, pump, controller, evaporation, evaporating
<b>Date Conducted</b>	19 September 2017 (19.09.2017)

<b>Electronic Database Searched</b>	PatBase
<b>Files Searched</b>	All Files
<b>Date Conducted</b>	19 September 2017 (19.09.2017)
<b>Search Logic:</b>	

Search 1: IC=(F28D5/02) (Results 1409)

Search 2: CPC=(F28D5/02 OR F25B2339/041 OR F28D3/02 OR F25B39/04 OR F24F5/0035 OR F25B49/027 OR F24F2013/225 OR F24F5/0035 OR F24F1/42 OR Y02B30/545) (Results 7520)

Search 3: UC=(62/171 OR 239/280 OR 62/171 OR 62/305 OR 62/238.6 OR 62/506 OR 62/310) (Results 2767)

Search 4: 1 OR 2 OR 3 (Results 10518)

Search 5: 4 AND FT=(air\* w3 condition\*) (Results 4029)

Search 6: 5 AND FT=(radiator%) (Results 542)

Search 7: 6 AND FT=(condenser%) (Results 398)

- Search 8: 7 AND FT=((mist\* OR spray\*) w5 (condenser% OR coil%)) (Results 19)
- Search 9: 7 AND FT=(water\* w5 cool\*) (Results 231)
- Search 10: 9 AND FT=((water\* OR cool\*) w3 (condenser% OR coil%)) (Results 156)
- Search 11: 10 NOT 8 (Results 145)
- Search 12: 11 AND FT=(pump\*) (Results 108)
- Search 13: 12 AND FT=(control\*) (Results 94)
- Search 14: 7 AND FT=((evaporation\* OR evaporating\*) w3 (condenser% OR coil%)) (Results 14)
- Search 15: 14 NOT (13 OR 8) (Results 5)
- Search 16: FT=(air\* w3 condition\*) (Results 527820)
- Search 17: 16 AND FT=(radiator%) (Results 21833)
- Search 18: 17 NOT 6 (Results 21291)
- Search 19: 18 AND FT=(condenser%) (Results 6687)
- Search 20: 19 AND FT=((mist\* OR spray\*) w5 (condenser% OR coil%)) (Results 51)
- Search 21: 19 AND FT=(water\* w5 cool\*) (Results 2816)
- Search 22: 21 AND FT=((water\* OR cool\*) w3 (condenser% OR coil%)) (Results 1318)
- Search 23: 22 AND FT=(pump\*) (Results 1006)
- Search 24: 23 AND FT=((pump\*) w3 (water\* OR cool\*)) (Results 676)
- Search 25: 24 AND FT=(controller%) (Results 267)
- Search 26: 25 AND FT=(controller% w5 (water\* OR cool\* OR pump\*)) (Results 116)
- Search 27: 26 NOT 20 (Results 116)
- Search 28: 19 AND FT=((evaporation\* OR evaporating\*) w3 (condenser% OR coil%)) (Results 83)
- Search 29: 28 NOT (26 OR 20) (Results 78)
- Search 30: PN=(US20100049338 OR US3926000 OR WO2013041897) (Results 3)
- Search 31: CTF 30 OR CTB 30 (Results 60)

<b>Electronic Database Searched</b>	Google Patents
<b>Files Searched</b>	All Files
<b>Date Conducted</b>	19 September 2017 (19.09.2017)
<b>Search Logic:</b>	
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air conditioner radiator  
 About 19,500 results (0.15 seconds)

air conditioner radiator condenser  
 About 16,000 results (0.52 seconds)

air conditioner radiator condenser water spray  
 About 8,000 results (0.57 seconds)

air conditioner radiator condenser cooling  
 About 18,500 results (0.60 seconds)

air conditioner radiator condenser coil water

About 22,400 results (0.52 seconds)

<b>Electronic Database Searched</b>	Google Web
<b>Files Searched</b>	All Articles
<b>Date Conducted</b>	19 September 2017 (19.09.2017)
<b>Search Logic:</b>	

air conditioner radiator

About 586,000 results (0.82 seconds)

air conditioner radiator condenser

About 397,000 results (0.95 seconds)

air conditioner radiator condenser water spray

About 513,000 results (0.84 seconds)

air conditioner radiator condenser cooling

About 653,000 results (0.87 seconds)

air conditioner radiator condenser coil water

About 661,000 results (0.88 seconds)

<b>Electronic Database Searched</b>	Google Scholar
<b>Files Searched</b>	All Articles Except Patents
<b>Date Conducted</b>	19 September 2017 (19.09.2017)
<b>Search Logic:</b>	

air conditioner radiator

About 6,790 results (0.07 sec)

air conditioner radiator condenser

About 17,700 results (0.10 sec)

air conditioner radiator condenser water spray

About 9,840 results (0.15 sec)

air conditioner radiator condenser cooling

About 17,500 results (0.11 sec)

air conditioner radiator condenser coil water